



AR 3746

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/021,566

Filing Date: December 12, 2001

Applicant: Douglas G. Hunter, et al.

Group Art Unit: 3746

Examiner: John F. Belena, Ph.D.

Title: VARIABLE DISPLACEMENT VANE PUMP WITH  
VARIABLE TARGET REGULATOR

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TECHNOLOGY CENTER R3700

Certificate of Mailing

I hereby certify that this correspondence is being sent via first class mail to Examiner John F. Belena of Art Unit 3746 of the U.S. Patent and Trademark Office at P.O. Box 1450, Alexandria, VA 22313-1450 on April 7, 2004 By: 

LETTER ENCLOSING COPY OF PREVIOUSLY SUBMITTED  
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The Applicant herewith submits a copy of the Letter Enclosing Copy of Previously Submitted Supplemental Information Disclosure Statement, which was mailed to the Examiner on February 11, 2004. Additionally, the Applicant submits a copy of the date stamped return receipt postcard, Transmittal Form PTO/SB/21 including a Certificate of

Attorney Docket No. DKT 00147A  
(BWI-00061)

Mailing executed on February 11, 2004 and a copy of the previously submitted references.

The Examiner is invited to telephone the Applicant's undersigned attorney at (248) 364-4300 if any unresolved matters remain.

Any needed extension of time is hereby requested with the filing of this document.

The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 50-1612. A duplicate copy of this letter is enclosed herewith.

Respectfully submitted,

**WARN, BURGESS & HOFFMANN, P.C.**  
Attorneys for Applicant

By:   
Philip R. Warn (Reg. No. 32775)  
Preston H. Smirman (Reg. No. 35365)

Dated: April 7, 2004  
P.O. Box 70098  
Rochester Hills, MI 48307  
Phone: (248) 364-4300  
Facsimile: (248) 364-4285

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Case N . DKT 00147A (BWI-00061)

**U.S. Patent Application**

Applicant: Douglas G. Hunter et al.

Serial N . 10/021,566 – Filed: December 12, 2001

Title : VARIABLE DISPLACEMENT VANE PUMP WITH  
VARIABLE TARGET REGULATOR

Please acknowledge receipt of the following contents  
by date stamping and returning this postcard to  
Warn, Burgess & Hoffmann, P.C.

Transmittal Letter with Certificate of Mailing (in duplicate);  
Supplemental Information Disclosure Statement; Form  
PTO/SB/08a (1 page); Copies of 5 U.S. Patents & 3 Foreign  
Patents; and this Postcard

PRW: February 11, 2004



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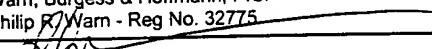
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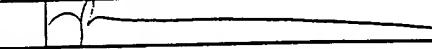
## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/021,566
		Filing Date	December 12, 2001
		First Named Inventor	Douglas G. Hunter et al.
		Art Unit	3746
		Examiner Name	John F. Belena, Ph.D
Total Number of Pages in This Submission		Attorney Docket Number	DKT 00147A (BWI-00061)

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): Supplemental Information Disclosure Statement; PTO Form PTO/SB/08a; Copies of 5 U.S. Patents & 3 Foreign Patents; Return Receipt Postcard
<div style="border: 1px solid black; padding: 2px;">Remarks</div> <p>Applicant believes no fee to be due for the attached filing, however, should additional fees be due in order to prevent the abandonment of this application, please consider this as authorization to charge Deposit Account No. 501612 (Warn, Burgess &amp; Hoffmann, P.C.) for any such fees due. A duplicate copy of this document is enclosed for this purpose.</p>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		RECEIVED
Firm or Individual name	Warn, Burgess & Hoffmann, P.C. Philip R. Warn - Reg No. 32775	
Signature		
Date	APR 16 2004	
	TECHNOLOGY CENTER R3700	

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.		
Typed or printed name	Philip R. Warn - Reg. No. 32775	
Signature		Date
	February 11, 2004	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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PATENT

Application No.: 10/021,566

Filing Date: December 12, 2001

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Applicant: Douglas G. Hunter et al.

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Group Art Unit: 3746

TECHNOLOGY CENTER R3700

Examiner: John F. Belena, Ph.D

Title: VARIABLE DISPLACEMENT VANE PUMP WITH  
VARIABLE TARGET REGULATOR

Attorney Docket: DKT 00147A (BWI-00061)

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information submitted for consideration by the Office (except unpublished U.S. patent applications) are listed on Form 1449 or PTO/SB/08a and 08b attached hereto.

II. COPIES

A.  Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B.  Any patents, publications or other information which are listed on Form 1449 or PTO/SB/08a and 08b or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial NumberU.S. Filing Date

C.  This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 or PTO/SB/08a and 08b for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A.  Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B.  A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1.  See the attached foreign search report.

2.  English translations are provided for:

3.  Other: English translations of the Abstract are provided for

JP2001294166 and JP2001159395.

C.  The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A.  The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.

<u>Serial No.</u>	<u>Filing Date</u>	<u>Art Unit</u>
10/406,575	4/3/2003	3746
60/510,222	10/10/2003	To be assigned
10/192,578	7/10/2002	3746

V. THIS IDS IS BEING FILED UNDER

A.  37 C.F.R. § 1.97(b): (check only one box)

1.  within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.

2.  within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.

3.  before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

4.  before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B.  37 C.F.R. § 1.97(c): (check only one box)

- before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1.  No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

2.  See the certification below. No fee is required.

C.  37 C.F.R. § 1.97(d):

- after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1.  See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

A.  each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)); or

B.  no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the

knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C.  Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. PAYMENT OF FEES (check only one box)

A.  A check in the amount of \$180.00 is enclosed for the above-identified fee.

B.  Please charge Deposit Account No. 501612 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 501612.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 501612.

Respectfully submitted,

WARN, BURGESS & HOFFMANN, P.C.  
Attorneys for Applicant(s)

P.O. Box 70098  
Rochester Hills, MI 48307  
(248) 364-4300

Dated: February 11, 2004

By: 

Philip R. Warn  
Reg. No. 32775

PRW: srk  
Enclosures

Application No. 10/021,566



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary.)*

Sheet 1 of 1

Application Number	10/021,566
Filing Date	December 12, 2001
First Named Inventor	Douglas G. Hunter et al.
Art Unit	3746
Examiner Name	John F. Belena, Ph.D
Attorney Docket Number	DKT 00147A (BWI-00061)

**U. S. PATENT DOCUMENTS**

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**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENT				
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document
		Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
	JP 2001294166		10/23/2001	Yukihisa
	English Abstract for JP 2001294166		10/23/2001	Yukihisa
	JP 2001159395		06/12/2001	Satoshi
	English Abstract for JP 2001159395		06/12/2001	Satoshi
	EP 1 350 930		10/08/2003	Hunter et al.

Examiner Signature	Date Considered
-----------------------	--------------------

**\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.**

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.